BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Modified Estimate for Fencing to BBMP Properties (other than Gardens Parks) ward no.07

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil notexceeding 1.5 m. in depth including dressing the bottom and sidesof pits and trenches, stacking the excavated soil clear from edges ofexcavation with lead upto 50 m. including breaking of clods completeas per specifications.								
	For SSM	**Cum**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	176.60	0.80	0.80	113.02		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	202.90	0.80	0.80	129.86		
	Amurthnagara Public Library		1	71.20	1.00	0.80	56.96		
	Coffee Board Layout								
	Ram Mandira Temple		1	207.70	0.80	0.80	132.93		
							432.77	**414.06**	**179191.92**
	Approved Amount	**414.06**							
2	KSRRB M300-14. Excavation for roadwork in all types of soil bymechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification MORTH Specification No.301.								
	For Debris	**Cum**							
	Fence Ground Park		1	46.20	41.20	0.30	571.03		
	Jakkur GKVK Layout								
	Railway Parallel Rd		1	80.60	28.00	0.30	677.10		
	Amurthnagara Public Library		1	71.20	2.00	0.45	64.08		
	Ram Mandira Temple		1	199.21	2.50	0.60	298.81		
							1611.02	**67.12**	**108131.78**
	Approved Amount	**67.12**							
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates 0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.								
	For SSM	**Cum**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	176.60	0.80	0.15	21.19		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	202.90	0.80	0.15	24.35		
	Amurthnagara Public Library		1	71.20	1.00	0.15	10.68		
	Coffee Board Layout								

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Ram Mandira Temple		1	207.70	0.80	0.15	24.92		
	For Kerb								
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	369.50	0.20	0.10	7.39		
	Gym Equipment Area		1	56.00	0.20	0.10	1.12		
	For Benches		1	26.50	0.20	0.10	0.53		
	For Design Tiles								
	Jakkur GKVK Layout Park								
	Railway Parallel Rd								
	Gym Equipment Area		1	17.50	6.35	0.15	16.67		
	For Benches Tiles		1	13.30	2.20	0.15	4.42		
							111.27	**5691.91**	**633356.15**
	Approved Amount	**5691.91**							
4	KSRB 5.2 : Providing and constructing granite / trap / basalt sizestone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KSRB 5.2-3 : - do - cement mortar 1:6 KBS 5.1.13								
	For SSM	**Cum**							
	1st Step								
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	176.60	0.60	0.60	63.58		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	202.90	0.60	0.60	73.04		
	Amurthnagara Public Library		1	71.20	0.75	0.60	32.04		
	Coffee Board Layout								
	Ram Mandira Temple		1	207.70	0.60	0.60	74.77		
	2nd Step								
	Amrunagara Park		1	60.00	0.45	0.40	10.80		
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	167.80	0.45	0.40	30.20		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	202.90	0.45	0.40	36.52		
	Amurthnagara Public Library		1	71.20	0.55	0.45	17.62		
	Coffee Board Layout								
	Ram Mandira Temple		1	207.70	0.45	0.45	41.50		
							380.08	**5114.37**	**1943885.95**
	Approved Amount	**5114.37**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KPS 4.1.4.2								
	For SSM	**Cum**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	167.80	0.45	0.08	6.04		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	202.90	0.45	0.08	7.16		
	Amurthnagara Public Library		1	71.20	0.60	0.08	3.42		
	Coffee Board Layout								
	Ram Mandira Temple		1	207.70	0.50	0.05	5.06		
	Amrunagara Park		1	60.00	0.45	0.08	2.16		
	mass concrete for fixing equipments		17	0.40	0.40	0.60	1.63		
							25.47	**6033.54**	**153682.71**
	Approved Amount	**6033.54**							
6	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	For Kerb	**Nos**							
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	369.50			369.50		
	Gym Equipment Area		1	56.00			56.00		
	For Benches		1	26.50			26.50		
	Amrunagara Park		1	50.00			50.00		
							502.00		
							1116.00		
					Upto 125%		**55.00**	**454.02**	**24971.10**
					Above 125%		**1061.00**	**454.02**	**481715.22**
	Approved Amount	**454.02**							
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								
	For Kerb	**Nos**							
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	369.50		0.35	129.36		
	Gym Equipment Area		1	56.00		0.35	19.60		
	For Benches		1	26.50		0.35	9.28		
							158.24		
					Upto 125%		**7.50**	**89.02**	**667.65**
					Above 125%		**150.74**	**89.02**	**13418.55**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Approved Amount	**89.02**							
8	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification								
	For Design Tiles	**Sqm**							
	Jakkur GKVK Layout Park								
	Railway Parallel Rd								
	Gym Equipment Area		1	17.50	6.35		111.13		
	For Benches Tiles		1	13.30	2.20		29.45		
							140.58		
					Upto 125%		**30.00**	**1370.95**	**41128.50**
					Above 125%		**110.58**	**1370.95**	**151598.23**
	Approved Amount	**1370.95**							
9	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305								
	For Debris	**Cum**							
	Fence Ground Park		1	46.20	41.20	0.50	951.72		
	Jakkur GKVK Layout								
	Railway Parallel Rd		1	80.60	28.00	0.55	1241.35		
	Gym Equipment Area		1	17.50	6.35	0.25	27.78		
	For Benches Tiles		1	13.30	2.20	0.25	7.37		
	Pathway		1	198.20	1.70	0.20	67.39		
							2295.60	**361.66**	**830227.54**
	Approved Amount	**361.66**							
10	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of materials, labour, HOM complete as per specifications.								
	For Fencing	**m**							
	Fence Ground Park		68	1.10			74.80		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		84	2.50			210.00		
	Amurthnagara Public Library		34	2.30			78.20		
	Ram Mandira Temple		84	2.35			197.40		
	Ram mandira playground Inside		8	2.80			22.40		
			4	6.50			26.00		
			4	4.00			16.00		
	Amrunagara Park		25	1.80			45.00		

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
							669.80	**955.88**	**640248.42**
	Approved Amount	**955.88**							
11	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.								
	For Fencing	**Sqm**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		1	175.40		1.20	185.96		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		1	201.90		2.10	423.99		
	Amurthnagara Public Library		1	71.20		1.90	135.28		
	Coffee Board Layout								
	Ram Mandira Temple		1	206.70		1.95	403.07		
	Ram mandira playground Inside		1	23.00		3.30	59.85		
	Amrunagara Park		1	70.00		1.50	105.00		
							1313.14	**795.64**	**1044788.46**
	Approved Amount	**795.64**							
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint, including cost of materials, labour, HOM complete as per specifications.								
	For Fencing	**m**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground		2	104.00			199.28		
	Jakkur GKVK Layout Park								
	Railway Parallel Rd		3	205.00			615.00		
	Amurthnagara Public Library		3	71.00			213.00		
	Coffee Board Layout								
	Ram Mandira Temple		3	214.00			642.00		
	Ram mandira playground Inside		3	23.00			69.00		
	Amrunagara Park		1	52.00			52.00		
	Amrunagara Park		1	80.00			80.00		
							1870.28	**454.02**	**849146.70**
	Approved Amount	**454.02**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
13	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.								
							0.00	**3351.72**	**0.00**
	Approved Amount	**3351.72**							
14	KSRB 15-18.3 : Providing and applying enamel metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications								
	For Fencing	**Sqm**							
	Coffee Board Layout								
	6th Main 9th Cross Rd Playing Ground Rising Old		1	166.70		2.00	333.40		
	Ram mandira playground Inside		1	14.10		1.80	25.38		
							358.78	**67.88**	**24353.99**
	Approved Amount	**67.88**							
15	Supply & fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 830 MM x 500MM x 1450 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**223082.50**	**223082.50**
	Approved Amount	**223082.50**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
16	Supply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**183715.00**	**183715.00**
	Approved Amount	**183715.00**							
17	Supply & fixing of Pull Down Challenger : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**310740.80**	**310740.80**
	Approved Amount	**310740.80**							

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
18	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1955 MM x 730 MM x 1955 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**301817.50**	**301817.50**
	Approved Amount	**301817.50**							
19	Supply & fixing of Self Weighted Rower : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1390 MM x 805 MM x 1198 MM . Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**216521.25**	**216521.25**
	Approved Amount	**216521.25**							

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
20	Supply & fixing of HD Double Health Walker : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2015 MM x 615 MM x 1360 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**310740.80**	**310740.80**
	Approved Amount	**310740.80**							
	EIRL								
E1	Supply & fixing of Rider : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and accessive movement, which can cause injuries. The limitors must								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**112500.00**	**112500.00**
	Approved Amount	**112500.00**							
E2	Fixing and installation of a three person body twister station: Size -131 X 100 X 133CM, that consists								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**234574.00**	**234574.00**
	Approved Amount	**234574.00**							

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
E3	Fixing and Installation of a Foot Cycle : Size - 97 X 45 X 133 CM, that has a central pin which connects the 2 heavy flywheels & which has 2 main bearings and in addition has a TEFLON RESISTANCE BEARING which locks the pin and creates resistance to the spin. The central pillar is a monolithic large arc tube without convex sides & minimal deformation which is ergonomically curved with an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. The seat must consist of PU Polysafe cushions seats. Safe Zone : 247 X 195 CM. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Gym Equipment	**Each**							
			1	1.00			1.00		
							1.00	**245891.00**	**245891.00**
	Approved Amount	**245891.00**							
E4	Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
	Benchs	**Each**							
			1	10.00			10.00		
							10.00	**18200.00**	**182000.00**
	Approved Amount	**18200.00**							
								Construction Cost	**9442095.72**

Assistant Engineer
Project Division Yelahanka
BBMP

Assistant Executive Engineer
Project Division Yelahanka
BBMP

Executive Engineer
Project Division Yelahanka
BBMP

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Technical Sanction
Accorded For Rs 9442095.72
Head of A/C..P0607
CER NO :..94..... Dt:27.04.2022